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1 1. A method comprising:
2 detecting a color characteristic;
3 detecting motion; and
4 controlling a processor-based system based on the
5 detection of motion and a color characteristics.

1 2. The method of claim 1 including controlling a
2 processor-based system based on the detection of flesh
3 color and the detection of a shape associated with a human
4 being.

1 3. The method of claim 2 including determining
2 whether to process image data depending on whether both
3 motion and flesh are detected.

1 4. The method of claim 2 including capturing a frame
2 of video at a time, and determining after capturing each
3 frame whether or not flesh color has been detected.

1 5. The method of claim 4 including removing the
2 flesh color from the captured video.

1 6. The method of claim 5 including moving an
2 animation object while capturing video and removing the
3 detected flesh color from the captured video.

1 7. The method of claim 1 including capturing video
2 of an animation object in a plurality of different
3 positions and automatically removing an image of a user's
4 hand from the captured video.

1 8. An article comprising a medium storing
2 instructions that enable a processor-based system to:
3 detect a color characteristic;
4 detect motion; and
5 control a processor-based system based on the
6 detection of motion and the color characteristic.

1 9. The article of claim 8 further storing
2 instructions that enable the processor-based system to be
3 controlled based on the detection of flesh color and the
4 detection of a shape associated with a human being.

1 10. The article of claim 9 further storing
2 instructions that enable the processor-based system to
3 determine whether to process image data depending on
4 whether motion and flesh are detected.

1 11. The article of claim 9 further storing
2 instructions that enable the processor-based system to
3 capture a frame of video at a time and determine after
4 capturing each frame whether flesh color has been detected.

1 12. The article of claim 9 further storing
2 instructions that enable the processor-based system to
3 remove the flesh color from the captured video.

1 13. The article of claim 12 further storing
2 instructions that enable the processor-based system to
3 capture video of an animation object in a plurality of
4 different positions and automatically remove an image of a
5 user's hand from the captured video.

1 14. A system comprising:
2 a processor;
3 a storage coupled to said processor storing
4 instructions that enable the processor to detect motion and
5 a color characteristic and to control the system based on
6 the detection of motion and the color characteristic.

1 15. The system of claim 14 wherein said storage
2 further stores instructions that enable the processor to
3 detect a shape associated with a human being.

1 16. The system of claim 14 further storing
2 instructions that enable the processor to determine whether
3 to process image data depending on whether motion and flesh
4 color are detected.

1 17. The system of claim 14 including a digital imaging
2 device coupled to said processor.

1 18. A method comprising:
2 capturing a video image of a speaker;
3 receiving audio information from the speaker
4 through at least one microphone;
5 determining the user's position; and
6 based on the user's position, adjusting a
7 characteristic of the microphone.

1 19. The method of claim 18 including receiving audio
2 information from a pair of microphones and adjusting the
3 sensitivity of the microphones based on the relative
4 positioning of the user with respect to each microphone.

1 20. The method of claim 18 including tracking the
2 user's facial position in two dimensions and estimating the
3 user's facial position in a third dimension.

1 21. The method of claim 18 including tracking the
2 user's facial position in three dimensions.

1 22. The method of claim 18 including using a point of
2 source filter to adjust the audio information received from

3 the user and providing said adjusted audio information to a
4 speech recognition engine.

1 23. A system comprising:
2 a video capture device for capturing an image of a
3 user;
4 at least one microphone for capturing speech from
5 said user;
6 a device to determine the user's position with
7 respect to at least two microphones and to adjust the data
8 from each microphone in response to the user's position
9 relative to each microphone.

1 24. The system of claim 23 including a pair of video
2 cameras for capturing an image of said user.

1 25. The system of claim 23 including a two dimensional
2 face tracker that locates the user's face in two dimension.

1 26. The system of claim 23 including a three
2 dimensional face tracker that locates the user's face in
3 three dimensions.

1 27. The system of claim 23 including a point of source
2 filter to adjust the sensitivity of said microphones.

1 28. A method comprising:
2 identifying a color;
3 identifying motion; and
4 using identified color and motion to implement
5 background segmentation.

1 29. The method of claim 28 including determining areas
2 that are moving of a particular color.

1 30. The method of claim 29 including identifying
2 objects that are connected to moving objects of a particular
3 color.